207

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

MARCH, 1939

J. A. BROWN, DIRECTOR

LIBRARY
MAY 17 1939
WEATHER BUREAU

Printed at the American Press
Beirut, Syria

MARCH 1939

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	54.3	52.8	53.6	53.6	18.2	10.8	15.5	17.6	14.6	15.9
2	5.6	6.2	7.6	6.5	16.7	10.2	13.3	16.1	12.1	13.8
3	8.7	8.2	8.7	8.5	17.9	11.8	13.4	16.6	13.3	14.4
4	4.0	3.6	3.4	3.7	16.7	9.4	16.1	12.2	10.7	13.0
5	5.9	5.6	6.9	6.1	15.4	8.6	12.9	14.9	10.2	12.7
6	59.6	60.3	61.3	60.5	12.3	6.4	10.5	11.3	8.8	10.2
7	61.8	3.0	2.3	2.4	12.1	6.6	9.7	11.3	8.4	9.5
8	6.6	6.8	6.9	6.8	16.6	11.2	12.4	13.9	11.9	12.7
9	5.8	3.8	4.3	4.6	17.4	11.7	14.4	16.6	13.9	15.0
10	4.3	4.2	4.8	4.4	19.6	12.2	16.3	18.0	14.1	16.1
11	62.9	60.8	59.2	61.0	17.2	14.7	15.5	18.3	16.3	16.7
12	56.8	55.0	5.5	55.7	23.6	15.7	18.0	21.3	22.4	20.6
13	61.3	62.4	63.8	62.5	22.8	12.3	16.9	21.1	14.4	17.5
14	4.4	3.4	2.9	3.6	18.6	11.1	14.9	17.2	14.9	15.7
15	59.7	54.8	52.9	55.8	20.0	12.6	15.8	19.1	13.8	16.2
16	54.6	57.0	58.8	56.8	17.8	11.9	13.8	13.8	17.2	13.4
17	8.8	7.3	8.5	8.2	18.7	10.7	16.2	17.4	13.3	15.6
18	9.6	9.2	60.4	9.7	16.5	11.1	11.9	14.9	12.7	13.2
19	60.3	9.1	58.2	9.2	15.8	11.7	12.6	14.1	13.3	13.3
20	56.2	6.5	8.6	7.1	18.7	10.1	16.1	17.6	17.6	17.1
21	59.6	57.1	55.3	57.3	19.3	14.8	15.5	17.7	16.3	16.5
22	0.5	3.9	5.1	3.2	22.4	11.9	20.7	17.7	14.4	17.6
23	4.2	3.9	5.7	4.6	20.7	10.4	16.3	20.0	13.6	16.6
24	7.9	60.1	61.1	9.7	18.3	10.9	14.1	17.4	12.9	14.8
25	61.3	1.8	2.0	61.7	20.6	12.8	18.0	19.7	14.4	17.4
26	61.6	61.8	62.6	62.0	21.8	12.5	17.2	21.6	14.1	17.6
27	3.4	3.3	4.2	3.6	20.1	12.3	18.3	19.9	14.4	17.5
28	3.9	3.2	3.5	3.5	20.1	14.4	16.6	19.4	16.1	17.4
29	0.4	58.7	58.4	59.2	23.9	15.4	19.4	22.2	20.5	20.7
30	57.2	8.2	7.9	7 8	21.1	14.7	17.7	17.2	17.2	17.4
31	7.4	7.4	7.9	7.6	19.8	13.5	16.6	18.8	16.6	17.3
	759.31	759.01	759.43	759.26	18.73	11.76	15.37	17.26	14.26	15.60

Barometer, range for month 750.5 mm.–766.9 mm.
,, 62-yr. average for month 761.21 mm.
Thermometer, range for month 6.4 C.—23 6° C.
,, 62-yr. average for month 16.21° C.
Rain, total for month 169.7 mm.
,, , 62-yr. average for month 89.15 mm
,, , total, from Sept. 1st 965.5 mm.
55-yr. average, Sept 1st 830 4 mm.

MARCH 1939

METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	9.3	9.7	9.2	9.4	71	65	75	70	2.5	286.5	4.8
2	9.9	9.1	8.4	9.1	87	67	80	78	5.3	405.0	16.3
3	8.7	10.1	9.9	9.6	75	72	87	78	4.3	555.5	2.5
4	8.4	9.5	8.7	8.9	62	90	91	81	1.0	797.5	59.7
5	7.6	8.4	8.0	8.0	68	66	87	74	1.7	484.5	6.9
6	5.5	5.4	5.2	5.4	59	55	62	59	5.7	368.0	2.0
7	6.3	7.0	6.3	6.5	70	71	77	73	2.7	363.0	6.6
8	7.3	8.8	10.0	8.7	68	75	96	80	6.2	540.0	3.3
9	9.3	10.8	9.3	9.8	76	77	79	77	1.7	503.0	6.6
10	8.3	10.7	10.1	9.7	60	70	84	71	9.4	295.0	
11	8.7	11.3	12.1	10.7	67	73	88	76	6.5	331.5	
12	10.0	12.3	8.8	10.3	65	65	44	58	7.9	346.0	
13	9.9	13.7	10.0	11.2	70	74	81	75	7.6	293.0	
14	9.3	9.8	9.6	9.6	73	68	76	72	7.6	247.5	
15	9.2	10.2	9.9	9.8	69	62	84	72	8.5	320.0	
16	9.5	9.5	8.9	9.3	81	81	80	81	3.8	490.0	7.3
17	8.7	9.1	10.3	9.4	63	61	92	72	8.7	660.0	4.1
18	9.3	9.0	8.9	9.1	90	71	80	80	0.9	350.0	22.9
19	9.6	9.6	9.9	9.7	89	80	87	85	0.0	203.0	4.3
20	9.7	9.0	7.3	8.7	72	60	50	61	9.2	532.0	
21	8.7	9.5	10.2	9.5	67	63	74	68	9.5	542.0	
22	11.3	12.5	10.0	11.3	62	82	81	74	1.5	538.0	3.8
23	8.6	9.5	8.8	9.0	62	54	75	64	9.8	688.0	0.5
24	9.7	9.6	8.8	9.4	81	65	79	75	4.0	362.0	17.0
25	8.5	9.9	8.1	8.8	55	58	66	60	6.6	277.0	
26	9.4	11.8	7.9	9.7	64	61	65	63	9.2	310.0	
27	8.4	11.9	10.7	10.3	53	69	87	70	8.7	124.5	
28	10.8	10.7	10.4	10.6	77	64	77	73	7.2	204.0	
29	10.0	14.7	8.4	11.0	60	74	47	60	9.5	208.2	
30	13.3	13.7	12.0	13.0	88	94	82	88	0.1	258.5	0.8
31	10.5	10.3	11.6	10.8	74	65	82	74	6.6	186.0	0.3
	9.15	10.23	9.28	9.56	70.3	69.4	77.2	72.3	5.61	389.35	5.47

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
62-year averages are for period, 1875-1936

MARCH 1939

METEOROLOGICAL REGISTER

	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10nici	10nici	10ni	10.0	3n	1n	3w	mod.	
2	3ci	4ci	2ci	3.0	2n	4n	1n	„	
3	10cuni	8cu	10cuni	9.3	2s	5s	4s	slight	
4	7cuni	10ni	10ni	9.0	5sw	4w	5w	mod.	thunderstorms
5	10cuni	10cuni	10ni	10.0	3w	2w	3w	rough	
6	10ni	5cu	5cu	6.7	4w	4w	2w	mod.	
7	10ni	9cuni	4cu	7.7	3w	2n	3n	„	
8	2ci	10ni	10ni	7.3	3s	4s	4s	calm	
9	10ni	10nicu	0	6.7	4s	5s	3s	mod.	
10	0	0	0	0.0	3s	4s	2s	calm	
11	7ci	10ci	5ci	7.3	2ne	1n	2n	slight	
12	3cu	10ci	10ni	7.7	0	2n	3s	calm	
13	6cu	2cu	5ci	4.3	3w	3w	2w	slight	
14	2cu	7cu	7cu	5.3	1w	2nw	3w	„	
15	9cu	0	0	3.0	2n	2nw	1n	calm	
16	10ni	10ni	6cu	8.7	5sw	5sw	3w	mod.	
17	5ci	9ci	10ni	8.0	5sw	6w	5w	rough	
18	10ni	10ni	10ni	10.0	3s	3s	3s	„	
19	10ni	10ni	10ni	10.0	2e	1w	2w	mod.	
20	2cu	0	0	0.7	2e	5n	5n	„	
21	0	0	0	0.0	2s	4n	3n	slight	
22	10cu	10cu	0	6.7	6s	4s	2s	„	
23	2ci	0	0	0.7	3s	3s	3s	mod.	
24	7cuni	10cu	0	5.7	4w	3s	2s	rough	
25	7ci	0	0	2.3	3s	3s	2s	slight	
26	0	0	0	0.0	3s	4s	3s	slight	
27	5ci	0	3ci	2.7	1e	2n	0	„	
28	10ci	10ci	10ci	10.0	2sw	2n	3n	calm	
29	0	0	0	0.0	1s	1n	3n	„	
30	10cu	10ni	10cu	10.0	2w	3w	3w	„	
31	10cu	8cu	5cu	7.7	2nw	3n	1n	slight	
				5.82	2·8	3·2	2·7		

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	3	1	3	0	11	4	7	1	1	31
14:30	11	0	0	0	10	1	7	2	0	31
20:30	9	0	0	0	11	0	10	0	1	31
Totals	23	1	3	0	32	5	24	3	2	93

Number of days with rain 18, fog 0, thunderstorms, 1 gale 0.

62-yr. average number of days with rain during month 10.5